

Subt. Form PTO-1449		Docket Number HYZ-479CP (47508.577)		Application Number 09/965,116	
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Kandimalla	
Sheet 1 OF 2				Filing Date September 26, 2001	
				Group Art Unit 1635-1632	

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ele</i> <i>JP</i>	5,149,798	09/22/92	Agrawal et al.	536	27	

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

<i>ele</i> <i>JP</i>	C1.	✓	Khorana et al. (1972) "Studies on Polynucleotides," <i>J. Molec. Biol.</i> 72:209
	C2.	✓	Reese (1978) "The Chemical Synthesis of Oligo- and Poly-Nucleotides By The Phosphotriester Approach," <i>Tetrahedron</i> 34:3143-3179
	C3.	✓	Beaucage et al. (1981) "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxypolynucleotide Synthesis," <i>Tetrahedron Lett.</i> 22:1859-1862
	C4.	✓	Connolly et al. (1984) "Synthesis and Characterization of an Octanucleotide Containing the EcoRI Recognition Sequence With A Phosphorothioate Group At The Cleavage Site," <i>Biochemistry</i> 23:3443
	C5.	✓	Agrawal et al. (1987) "Oligodeoxynucleotide Methylphosphonates: Synthesis and Enzymic Degradation," <i>Tetrahedron Lett.</i> 28(31):3539-3542
	C6.	✓	Jager et al. (1988) Oligonucleotide N-Alkylphosphoramidates: Synthesis and Binding to Polynucleotides," <i>Biochemistry</i> 27:7237
	C7.	✓	Agrawal et al. (1988) "Oligodeoxynucleoside Phosphoramidates and Phosphorothioates As Inhibitors of Human Immunodeficiency Virus," <i>Proc. Natl. Acad. Sci. USA</i> 85:7079-7083
	C8.	✓	Zon et al. (1991) "Phosphorothioate Oligonucleotides and Analogues: A Practical Approach" pp. 87-108
	C9.	✓	Kuramoto et al. (1992) "Oligonucleotide Sequences Required For Natural Killer Cell Activation," <i>Jpn. J. Cancer Res.</i> 83:1128-1131
	C10.	✓	Crooke (1993) "An Overview of Progress in Antisense Therapeutics," 8 <i>Antisense & Nucl. Acid Drug Dev.</i> 115-122 CRC Press, Boca Raton, Florida
	C11.	✓	Zon (1993) "Protocols for Oligonucleotides and Analogs," <i>Methods in Molecular Biology</i> Vol. 20, pp. 165-189
	C12.	✓	Pisetsky et al. (1994) "Stimulation of Murine Lymphocyte Proliferation By A Phosphorothioate Oligonucleotide With Antisense Activity For Herpes Simplex Virus," 54 <i>Life Sci.</i> 101
	C13.	✓	Yamamoto et al. (1994) "Lipofection of Synthetic Oligodeoxyribonucleotide Having a Palindromic Sequence of AACGTT to Murine Spenocytes Enhances Interferon Production and Natural Killer Activity," 38 <i>Microbiol. Immunol.</i> 831
	C14.	✓	Agrawal et al. (1995) "Modified Oligonucleotides as Therapeutic and Diagnostic Agents," <i>Curr. Opin. Biotechnol.</i> 6:12-19
	C15.	✓	Krieg et al. (1995) "CpG Motifs In Bacterial DNA Trigger Direct B-Cell Activation," <i>Nature</i> 371:546-549
	C16.	✓	Klinman et al. (1996) "CpG Motifs Present in Bacterial DNA Rapidly Induce Lymphocytes to Secrete Interleukin 6, Interleukin 12, and Interferon γ ," 93 <i>Proc. Natl. Acad. Sci. USA</i> 2879
	C17.	✓	Liang et al. (1996) "Activation of Human B Cells By Phosphorothioate Oligodeoxynucleotides," <i>J. Clin. Invest.</i> 98:1119-1129
	C18.	✓	Zhao et al. (1996) "Effect of Different Chemically Modified Oligodeoxynucleotides on Immune Stimulation," <i>Biochem. Pharm.</i> 51:173-182
	C19.	✓	Chu et al. (1997) "CpG Oligodeoxynucleotides Act As Adjuvants That Switch On T Helper 1 (Th1) Immunity," 186 <i>J. Exp. Med.</i> 1623

EXAMINER <i>Janet L. Egan-Ford</i>	DATE CONSIDERED <i>9-3-03</i>
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

Emily Se

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Applicant

Kandimalla

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Group Art Unit

1635-1636

Sheet

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C20.	Dunford et al. (1997) "Antisense 97: Targeting the Molecular Basis of Disease" (<i>Nature Biotechnology</i>) Conference Abstract, pp. 40
C21.	Sparwasser et al. (1997) "Macrophages Sense Pathogens Via DNA Motifs: Induction of Tumor Necrosis Factor- α -Mediated Shock," 27 <i>Eur. J. Immunol.</i> 1671
C22.	Zhao et al. (1997) "Pattern and Kinetics of Cytokine Production Following Administration of Phosphorothioate Oligonucleotides in Mice," 7 <i>Antisense Nucleic Acid Drug. Dev.</i> 495
C23.	McCluskie et al. (1998) "Cutting Edge: CpG DNA Is A Potent Enhancer of Systemic and Mucosal Immune Responses Against Hepatitis B Surface Antigen with Intranasal Administration to Mice," <i>J. Immunol.</i> 161:4463-4466
C24.	Moldoveanu et al. (1998) "CpG DNA, A Novel Immune Enhancer for Systemic and Mucosal Immunization With Influenza Virus," <i>Vaccine</i> 16:1216-1224
C25.	Sparwasser et al. (1998) "Bacterial DNA and Immunostimulatory CpG Oligonucleotides Trigger Maturation and Activation of Murine Dendritic Cells," 28 <i>Eur. J. Immunol.</i> 2045
C26.	Tokunaga et al. (1999) "How BCG Led to the Discovery of Immunostimulatory DNA," 52 <i>Jap. J. Infect. Dis.</i> 1
C27.	Zhao et al. (1999) "Site of Chemical Modifications in CpG Containing Phosphorothioate Oligodeoxynucleotide Modulates Its Immunostimulatory Activity," <i>Bioorg. & Med. Chem. Lett.</i> 9:3453-3458
C28.	Agrawal et al. (2000) "Antisense Therapeutics: Is It As Simple As Complementary Base Recognition," 6 <i>Mol. Med. Today</i> 72
C29.	Zhao et al. (2000) "Immunostimulatory Activity of CpG Containing Phosphorothioate Oligodeoxynucleotide is Modulated by Modification of a Single Deoxynucleoside," <i>Bioorg. & Med. Chem. Lett.</i> 10:1051-1054

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**SUPPLEMENTAL INFORMATION
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